

ABSTRACT

A method and apparatus for reducing transmission overhead in a wireless communication system. In one embodiment, the apparatus is directed to a communication device comprising a processor for transmitting a data origination message, the data origination message initiating a data communication with a receiving station. Information needed to construct datagrams are also transmitted by the apparatus to the receiving station. The receiving station receives the data origination message and the information needed to construct datagrams and configures a packet data generator for sending datagrams to a destination device. Data network header information is constructed from information provided by the information needed to construct datagrams.

1. A method for reducing transmission overhead in a wireless communication system, comprising:
transmitting a data origination message from a communication device to a receiving station, the data origination message initiating a data communication with the receiving station;
transmitting information needed to construct datagrams from the communication device to the receiving station;
receiving the data origination message and the information needed to construct datagrams at the receiving station;
configuring a packet data generator at the receiving station for sending datagrams to a destination device;
constructing data network header information from the information needed to construct datagrams at the receiving station.